

10/6/42, 846  
Updated WestSearch After-Final

## WEST Search History

[Hide Items](#) | [Restore](#) | [Clear](#) | [Cancel](#)

DATE: Wednesday, July 20, 2005

<u>Hide?</u>	<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>
			See Interference Queries (#'s 24-27)	
<input type="checkbox"/>	L68	I60 and I27		3
<input type="checkbox"/>	L67	L66 and (gradient with coil with assembly)		2
<input type="checkbox"/>	L66	L65 and ((viscoelastic or viscoelasti\$4) with (rubber\$4 or foam))		3
<input type="checkbox"/>	L65	L64 and (ceramic or glass or filament or carbon or fiber or fibrous or non-conduct\$4 or "non conduct\$4" or modulus)		3
<input type="checkbox"/>	L64	L63 and ((inner or outer or inside or outside or internal\$2 or external\$2 or surface or first or second or primary or secondary) with (gradient with coil))		3
<input type="checkbox"/>	L63	L62 and (gradient with coil)		3
<input type="checkbox"/>	L62	L61 and (layer or film or insulat\$4 or sandwich\$4)		19
<input type="checkbox"/>	L61	L60 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))		19
<input type="checkbox"/>	L60	L59 and ((inner or outer or inside or outside or internal\$2 or external\$2 or surface or first or second or primary or secondary) with (gradient))		26
<input type="checkbox"/>	L59	L58 and (viscoelastic or viscoelasti\$4) with ((rubber\$4 or polyester or urethane or foam or polymer))		460
<input type="checkbox"/>	L58	((magnetic adj resonance) or MRI or NMR)		207250
<input type="checkbox"/>	L57	I33 and (viscoelastic or viscoelasti\$4) with ((rubber\$4 or polyester or urethane or foam or polymer))		2
<input type="checkbox"/>	L56	6492816		3
<input type="checkbox"/>	L55	6081117		4
<input type="checkbox"/>	L54	5886548		9
<input type="checkbox"/>	L53	5990680		7
<input type="checkbox"/>	L52	L51 and (ceramic or glass or filament or carbon or fiber or fibrous or non-conduct\$4 or "non conduct\$4" or modulus)		29
<input type="checkbox"/>	L51	L50 and (viscoelastic or viscoelasti\$4 or rubber\$4 or polyester or urethane or foam or polymer)		36
<input type="checkbox"/>	L50	L48 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))		108
<input type="checkbox"/>	L49	L48 and ((magnetic adj resonance) or MRI or NMR)		250
<input type="checkbox"/>	L48	((self with shield\$3) and (gradient))		505
<input type="checkbox"/>	L47	L46 and (gradient)		2
<input type="checkbox"/>	L46	L45 and (self with shield\$3)		2
<input type="checkbox"/>	L45	5570021		22

<input type="checkbox"/> L44	(4646024  4737716  4978920  5570021)![pn]	8
<input type="checkbox"/> L43	L40 and (viscoelastic or viscoelasti\$4 or rubber\$4 or polyester or urethane or foam or polymer)	5
<input type="checkbox"/> L42	L41 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))	14
<input type="checkbox"/> L41	L40 and (inner or outer or inside or outside or internal\$2 or external\$2 or surface or first or second or primary or secondary)	54
<input type="checkbox"/> L40	(self with shield\$4 with gradient with (device or apparatus or assembly))	55
<input type="checkbox"/> L39	(self with shield\$4 with gradient with assembly)	48
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/> L38	6252404.pn.	1
<input type="checkbox"/> L37	6252404.pn.	1
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/> L36	fetzner and acoustic\$4	18
<input type="checkbox"/> L35	L34 and (layer or film or insulat\$4 or sandwich\$4)	25
<input type="checkbox"/> L34	L33 and (cylinder or tube or cylindrical\$2 or bore)	29
<input type="checkbox"/> L33	L32 and (ceramic or glass or filament or carbon or fiber or fibrous or non-conduct\$4 or "non conduct\$4" or modulus)	29
<input type="checkbox"/> L32	L31 and (viscoelastic or viscoelasti\$4 or rubber\$4 or polyester or urethane or foam or polymer)	38
<input type="checkbox"/> L31	L30 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))	133
<input type="checkbox"/> L30	L16 and ((inner or outer or inside or outside or internal\$2 or external\$2 or surface or first or second or primary or secondary) with (gradient) with (assembl\$4))	459
<input type="checkbox"/> L29	L28 and (outer with inner with gradient)	23
<input type="checkbox"/> L28	L27 and L22	62
<input type="checkbox"/> L27	L26 or L25 or L24	14857
<input type="checkbox"/> L26	(335/296  335/297  335/298  335/299  335/300  335/301).ccls. (600/407  600/408  600/409  600/410  600/411  600/412  600/413  600/414	2799
<input type="checkbox"/> L25	600/415  600/416  600/417  600/418  600/419  600/420  600/421  600/422  600/423).ccls.	5137
<input type="checkbox"/> L24	(324/300  324/301  324/302  324/303  324/304  324/305  324/306  324/307  324/308  324/309  324/310  324/311  324/312  324/313  324/314  324/315  324/316  324/317  324/318  324/319  324/320  324/321  324/322).ccls.	8395
<input type="checkbox"/> L23	L22 and (viscoelastic or viscoelasti\$4)	24
<input type="checkbox"/> L22	L21 and (layer or film or insulat\$4 or sandwich\$4)	139
<input type="checkbox"/> L21	L20 and (cylinder or tube or cylindrical\$2 or bore)	157
<input type="checkbox"/> L20	L19 and (ceramic or glass or filament or carbon or fiber or fibrous or non-conduct\$4 or "non conduct\$4" or modulus)	168
<input type="checkbox"/> L19	L18 and (viscoelastic or viscoelasti\$4 or rubber\$4 or polyester or urethane or foam or polymer)	221

<input type="checkbox"/>	L18	L17 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))	832
<input type="checkbox"/>	L17	L16 and (gradient with (coil or assembly or assemblies))	3151
<input type="checkbox"/>	L16	L15 and ((inner or outer or inside or outside or internal\$2 or external\$2 or surface or first or second or primary or secondary) with (gradient))	6905
<input type="checkbox"/>	L15	L14 and (inner or outer or inside or outside or internal\$2 or external\$2 or surface)	34074
<input type="checkbox"/>	L14	L13 and (gradient)	45135
<input type="checkbox"/>	L13	((magnetic adj resonance) or MRI or NMR)	207250
<input type="checkbox"/>	L12	L10 and (gradient with coil)	10
<input type="checkbox"/>	L11	L10 and (gradient adj coil)	9
<input type="checkbox"/>	L10	L9 and (cylinder or tube or cylindrical\$2 or bore)	60
<input type="checkbox"/>	L9	L8 and (rubber or foam)	62
<input type="checkbox"/>	L8	L7 and (ceramic or glass or filament or carbon or fiber or fibrous or non-conduct\$4 or "non conduct\$4" or modulus)	68
<input type="checkbox"/>	L7	L6 and (inner or outer or inside or outside or internal\$2 or external\$2 or surface)	68
<input type="checkbox"/>	L6	L5 and (layer or film or insulat\$4 or sandwich\$4)	70
<input type="checkbox"/>	L5	L3 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))	72
<input type="checkbox"/>	L4	L3 and (dampen\$4 or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound oe acoustic\$4)))	37
<input type="checkbox"/>	L3	L2 and (gradient)	350
<input type="checkbox"/>	L2	L1 and ((magnetic adj resonance) or MRI or NMR)	1070
<input type="checkbox"/>	L1	viscoelastic	18265

END OF SEARCH HISTORY

## WEST Search History

DATE: Wednesday, July 20, 2005

*Interference Search See L #5 24-27*

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
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<input type="checkbox"/>	L56	6492816	3
<input type="checkbox"/>	L55	6081117	4
<input type="checkbox"/>	L54	5886548	9
<input type="checkbox"/>	L53	5990680	7
<input type="checkbox"/>	L52	L51 and (ceramic or glass or filament or carbon or fiber or fibrous or non-conduct\$4 or "non conduct\$4" or modulus)	29
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<input type="checkbox"/>	L50	L48 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))	108
<input type="checkbox"/>	L49	L48 and ((magnetic adj resonance) or MRI or NMR)	250
<input type="checkbox"/>	L48	((self with shield\$3) and (gradient))	505
<input type="checkbox"/>	L47	L46 and (gradient)	2
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<input type="checkbox"/>	L40	(self with shield\$4 with gradient with (device or apparatus or assembly))	55
<input type="checkbox"/>	L39	(self with shield\$4 with gradient with assembly)	48
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L38	6252404.pn.	1
<input type="checkbox"/>	L37	6252404.pn.	1
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L36	fetzner and acoustic\$4	18
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	conduct\$4 or "non conduct\$4" or modulus)	
<input type="checkbox"/>	L32 L31 and (viscoelastic or viscoelasti\$4 or rubber\$4 or polyester or urethane or foam or polymer)	38
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<input type="checkbox"/>	L28 L27 and L22	62
<input type="checkbox"/>	L27 L26 or L25 or L24	14857
<input type="checkbox"/>	L26 (335/296  335/297  335/298  335/299  335/300  335/301).ccls. (600/407  600/408  600/409  600/410  600/411  600/412  600/413  600/414	2799
<input type="checkbox"/>	L25  600/415  600/416  600/417  600/418  600/419  600/420  600/421  600/422  600/423).ccls.	5137
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<input type="checkbox"/>	L23 L22 and (viscoelastic or viscoelasti\$4)	24
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<input type="checkbox"/>	L20 L19 and (ceramic or glass or filament or carbon or fiber or fibrous or non-conduct\$4 or "non conduct\$4" or modulus)	168
<input type="checkbox"/>	L19 L18 and (viscoelastic or viscoelasti\$4 or rubber\$4 or polyester or urethane or foam or polymer)	221
<input type="checkbox"/>	L18 L17 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))	832
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<input type="checkbox"/>	L10 L9 and (cylinder or tube or cylindrical\$2 or bore)	60
<input type="checkbox"/>	L9 L8 and (rubber or foam)	62
<input type="checkbox"/>	L8 L7 and (ceramic or glass or filament or carbon or fiber or fibrous or non-conduct\$4 or "non conduct\$4" or modulus)	68
<input type="checkbox"/>	L7 L6 and (inner or outer or inside or outside or internal\$2 or external\$2 or surface)	68
<input type="checkbox"/>	L6 L5 and (layer or film or insulat\$4 or sandwich\$4)	70

<input type="checkbox"/>	L5	L3 and ((dampen\$4 or damp\$3) or ((reduc\$4 or block\$4 or decreas\$4 or lower\$3 or minimiz\$4) with (noise or sound or acoustic\$4)))	72
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<input type="checkbox"/>	L3	L2 and (gradient)	350
<input type="checkbox"/>	L2	L1 and ((magnetic adj resonance) or MRI or NMR)	1070
<input type="checkbox"/>	L1	viscoelastic	18265

END OF SEARCH HISTORY

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 25 of 25 returned.

1. Document ID: US 20050134269 A1

L35: Entry 1 of 25

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050134269

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050134269 A1

TITLE: GRADIENT COIL APPARATUS AND METHOD OF ASSEMBLY THEREOF

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feenan, Peter John	Freeland		GB	
Evans, Christopher John	Haddenham		GB	
Langtry, Anthony	Oxford		GB	
Cirel, Christopher Mark	Oxford		GB	

US-CL-CURRENT: 324/318; 29/600

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Print
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2. Document ID: US 20050068030 A1

L35: Entry 2 of 25

File: PGPB

Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050068030

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050068030 A1

TITLE: Mri gradient coils with reduced neural stimulation

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mansfield, Peter	Bramcote Nottingham		GB	
Bowley, Roger M.	Attenborough		GB	

US-CL-CURRENT: 324/309; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMD](#) | [Drawings](#)

3. Document ID: US 20050040825 A1

L35: Entry 3 of 25

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050040825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050040825 A1

TITLE: Acoustically damped gradient coil

PUBLICATION-DATE: February 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sellers, Michael Ben	Florence	SC	US	
Duby, Tomas	Florence	SC	US	
Clarke, Neil	Florence	SC	US	
Mantone, Anthony	Florence	SC	US	

US-CL-CURRENT: 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMD](#) | [Drawings](#)

4. Document ID: US 20040251901 A1

L35: Entry 4 of 25

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040251901

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040251901 A1

TITLE: MAGNETIC RESONANCE IMAGING DEVICE AND GRADIENT MAGNETIC FIELD COIL USED FOR IT

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsuda, Munetaka	Ibaraki		JP	
Takeshima, Hirotaka	Ibaraki		JP	
Yatsuo, Takeshi	Chiba		JP	

US-CL-CURRENT: 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMD](#) | [Drawings](#)

5. Document ID: US 20040196041 A1

L35: Entry 5 of 25

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040196041

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040196041 A1

TITLE: Magnetic resonance tomography device having a noise-suppressing function by damping mechanical vibrations

PUBLICATION-DATE: October 7, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Drobnitzky, Matthias	Spardorf		DE	

US-CL-CURRENT: 324/318; 324/322[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#) 6. Document ID: US 20030189182 A1

L35: Entry 6 of 25

File: PGPB

Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030189182

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030189182 A1

TITLE: Hyperpolarized gas containers, solenoids, transport and storage devices and associated transport and storage methods

PUBLICATION-DATE: October 9, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hasson, Kenton C.	Durham	NC	US	
Zollinger, Geri T.K.	Chapel Hill	NC	US	
Zollinger, David L.	Chapel Hill	NC	US	
Bogorad, Paul L.	Hillsborough	NC	US	
Wheeler, Bradley A.	Raleigh	NC	US	

US-CL-CURRENT: 251/129.2; 310/14[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#) 7. Document ID: US 20030158474 A1

L35: Entry 7 of 25

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158474

PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030158474 A1

TITLE: Method and apparatus for nanomagnetic manipulation and sensing

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Scherer, Axel	Laguna Beach	CA	US	
Barbic, Mladen	South Pasadena	CA	US	

US-CL-CURRENT: 600/409

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUDOC](#) | [Drawings](#)

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8. Document ID: US 20030137379 A1

L35: Entry 8 of 25

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030137379  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030137379 A1

TITLE: Mounting scheme for NMR gradient magnet coils

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Atkins, Andrew Farquhar	Oxford		GB	

US-CL-CURRENT: 335/299

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUDOC](#) | [Drawings](#)

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9. Document ID: US 6917200 B2

L35: Entry 9 of 25

File: USPT

Jul 12, 2005

US-PAT-NO: 6917200  
DOCUMENT-IDENTIFIER: US 6917200 B2

TITLE: Magnetic resonance tomography device having a noise-suppressing function by damping mechanical vibrations

DATE-ISSUED: July 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Drobnitzky; Matthias

Spardorf

DE

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMJC	Diamond
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10. Document ID: US 6828786 B2

L35: Entry 10 of 25

File: USPT

Dec 7, 2004

US-PAT-NO: 6828786

DOCUMENT-IDENTIFIER: US 6828786 B2

TITLE: Method and apparatus for nanomagnetic manipulation and sensing

DATE-ISSUED: December 7, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scherer; Axel	Laguna Beach	CA		
Barbic; Mladen	South Pasadena	CA		

US-CL-CURRENT: 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMJC	Diamond
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11. Document ID: US 6812705 B1

L35: Entry 11 of 25

File: USPT

Nov 2, 2004

US-PAT-NO: 6812705

DOCUMENT-IDENTIFIER: US 6812705 B1

TITLE: Coolant cooled RF body coil

DATE-ISSUED: November 2, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sellers; Michael Ben	Florence	SC		

US-CL-CURRENT: 324/318; 324/315

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMJC	Diamond
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12. Document ID: US 6717497 B2

L35: Entry 12 of 25

File: USPT

Apr 6, 2004

US-PAT-NO: 6717497  
DOCUMENT-IDENTIFIER: US 6717497 B2

TITLE: Mounting scheme for NMR gradient magnet coils

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Atkins; Andrew Farquhar	Oxford			GB

US-CL-CURRENT: 335/216; 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [TOC](#) | [Drawings](#)

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13. Document ID: US 6534983 B1

L35: Entry 13 of 25

File: USPT

Mar 18, 2003

US-PAT-NO: 6534983  
DOCUMENT-IDENTIFIER: US 6534983 B1  
\*\* See image for Certificate of Correction \*\*

TITLE: Multi-channel phased array coils having minimum mutual inductance for magnetic resonance systems

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boskamp; Eddy B.	Menomonee Falls	WI		
Li; Shizhe	Brookfield	WI		
Cline; Harvey E.	Schenectady	NY		
Giaquinto; Randy O.	Burnt Hills	NY		

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [TOC](#) | [Drawings](#)

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14. Document ID: US 6492816 B1

L35: Entry 14 of 25

File: USPT

Dec 10, 2002

US-PAT-NO: 6492816  
DOCUMENT-IDENTIFIER: US 6492816 B1

TITLE: Acoustic liner for mri gradient coils

DATE-ISSUED: December 10, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feenan; Peter John	Oxfordshire		OX8 8AN	GB

US-CL-CURRENT: 324/318; 324/309, 324/319[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [HTML](#) | [Create D.](#) 15. Document ID: US 6441614 B1

L35: Entry 15 of 25

File: USPT

Aug 27, 2002

US-PAT-NO: 6441614

DOCUMENT-IDENTIFIER: US 6441614 B1

TITLE: Filler material for magnet resonant system self-shielded gradient coil assemblies

DATE-ISSUED: August 27, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edelstein; William Alan	Schenectady	NY		
Hedeen; Robert Arvin	Clifton Park	NY		
Mantone; Anthony	Brookfield	WI		

US-CL-CURRENT: 324/318; 324/307, 324/309, 324/320, 324/322[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [HTML](#) | [Create D.](#) 16. Document ID: US 6437568 B1

L35: Entry 16 of 25

File: USPT

Aug 20, 2002

US-PAT-NO: 6437568

DOCUMENT-IDENTIFIER: US 6437568 B1

TITLE: Low noise MRI scanner

DATE-ISSUED: August 20, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edelstein; William Alan	Schenectady	NY		
Mallozzi; Richard Philip	Clifton Park	NY		
Hedeen; Robert Arvin	Clifton Park	NY		
El-Hamamsy; Sayed-Amr	Niskayuna	NY		
Miller; Mark Lloyd	Schenectady	NY		
Thompson; Paul Shadforth	Stephentown	NY		

Ackermann; Robert Adolph	Schenectady	NY
Amm; Bruce Campbell	Clifton Park	NY
Fura; John Peter	Ballston Lake	NY
Radziun; Mike James	Waterford	WI
Dean; David Edward	Hartland	WI
Mansell; Scott Thomas	Waterford	WI
Purgill; Dewain Anthony	Waukesha	WI
Vavrek; Robert Michael	Waukesha	WI

US-CL-CURRENT: 324/318; 324/309, 324/319, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIND	Drawn
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17. Document ID: US 6430939 B1

L35: Entry 17 of 25

File: USPT

Aug 13, 2002

US-PAT-NO: 6430939

DOCUMENT-IDENTIFIER: US 6430939 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Hyperpolarized gas containers, solenoids, transport and storage devices and associated transport and storage methods

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hasson; Kenton C.	Durham	NC		
Zollinger; Geri T. K.	Chapel Hill	NC		
Zollinger; David L.	Chapel Hill	NC		
Bogorad; Paul L.	Hillsborough	NC		
Wheeler; Bradley A.	Raleigh	NC		

US-CL-CURRENT: 62/49.1; 600/420, 604/181, 604/20

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIND	Drawn
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18. Document ID: US 6208141 B1

L35: Entry 18 of 25

File: USPT

Mar 27, 2001

US-PAT-NO: 6208141

DOCUMENT-IDENTIFIER: US 6208141 B1

TITLE: Method and apparatus for mounting gradient tube to diagnostic imaging device

DATE-ISSUED: March 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Amor, Sr.; William H.	Chagrin Falls	OH		
Alden, Sr.; Jerome S.	Aurora	OH		
Morich; Michael A.	Mentor	OH		
Gruden; James L.	Kirtland Hills	OH		

US-CL-CURRENT: 324/318; 324/307, 324/309

<input type="checkbox"/> Full	<input type="checkbox"/> Title	<input type="checkbox"/> Citation	<input type="checkbox"/> Front	<input type="checkbox"/> Review	<input type="checkbox"/> Classification	<input type="checkbox"/> Date	<input type="checkbox"/> Reference	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Claims	<input type="checkbox"/> KWD	<input type="checkbox"/> Drawn
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 19. Document ID: US 6157276 A

L35: Entry 19 of 25

File: USPT

Dec 5, 2000

US-PAT-NO: 6157276

DOCUMENT-IDENTIFIER: US 6157276 A

TITLE: MRI magnet assembly with non-conductive inner wall

DATE-ISSUED: December 5, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hedeen; Robert Arvin	Clifton Park	NY		
Edelstein; William Alan	Schenectady	NY		
El-Hamamsy; Sayed-Amr	Schenectady	NY		
Herd; Kenneth Gordon	Niskayuna	NY		
Ackermann; Robert Adolph	Schenectady	NY		

US-CL-CURRENT: 335/216; 324/318, 505/879, 505/893, 505/898, 62/51.1

<input type="checkbox"/> Full	<input type="checkbox"/> Title	<input type="checkbox"/> Citation	<input type="checkbox"/> Front	<input type="checkbox"/> Review	<input type="checkbox"/> Classification	<input type="checkbox"/> Date	<input type="checkbox"/> Reference	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Claims	<input type="checkbox"/> KWD	<input type="checkbox"/> Drawn
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 20. Document ID: US 5990680 A

L35: Entry 20 of 25

File: USPT

Nov 23, 1999

US-PAT-NO: 5990680

DOCUMENT-IDENTIFIER: US 5990680 A

TITLE: Active acoustic control in quiet gradient coil design for MRI

DATE-ISSUED: November 23, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mansfield; Peter	Bramcote, Nottingham NG9 3DD			GB

US-CL-CURRENT: 324/318; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	HTML	Drawings
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21. Document ID: US 5886548 A

L35: Entry 21 of 25

File: USPT

Mar 23, 1999

US-PAT-NO: 5886548

DOCUMENT-IDENTIFIER: US 5886548 A

TITLE: Crescent gradient coils

DATE-ISSUED: March 23, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Doty; F. David	Columbia	SC		
Wilcher; James K.	Columbia	SC		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	HTML	Drawings
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22. Document ID: US 5554929 A

L35: Entry 22 of 25

File: USPT

Sep 10, 1996

US-PAT-NO: 5554929

DOCUMENT-IDENTIFIER: US 5554929 A

TITLE: Crescent gradient coils

DATE-ISSUED: September 10, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Doty; F. David	Columbia	SC		
Wilcher; James K.	Columbia	SC		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	HTML	Drawings
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23. Document ID: US 5550472 A

L35: Entry 23 of 25

File: USPT

Aug 27, 1996

US-PAT-NO: 5550472

DOCUMENT-IDENTIFIER: US 5550472 A

TITLE: Combined radio frequency 'coil with integral magnetic field shim set

DATE-ISSUED: August 27, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Richard; Mark A.	Cleveland Hts.	OH		
Morich; Michael A.	Mentor	OH		
Petropoulos; Labros S.	Solon	OH		

US-CL-CURRENT: 324/320; 324/319

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawings](#)

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24. Document ID: US 4642569 A

L35: Entry 24 of 25

File: USPT

Feb 10, 1987

US-PAT-NO: 4642569

DOCUMENT-IDENTIFIER: US 4642569 A

\*\* See image for Certificate of Correction \*\*

TITLE: Shield for decoupling RF and gradient coils in an NMR apparatus

DATE-ISSUED: February 10, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hayes; Cecil E.	Wauwatosa	WI		
Eash; Matthew G.	Oconomowoc	WI		

US-CL-CURRENT: 324/318; 324/300, 505/844

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawings](#)

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25. Document ID: JP 2005058773 A, US 20050040825 A1, DE 1004038273 A1, GB 2406382 A

L35: Entry 25 of 25

File: DWPI

Mar 10, 2005

DERWENT-ACC-NO: 2005-250827

DERWENT-WEEK: 200526

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TITLE: Magnetic resonance imaging device has damping layer sandwiched between inner gradient coil assembly and outer gradient coil assembly

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawings](#)

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Term	Documents
LAYER	3438000
LAYERS	1386762
FILM	2466725
FILMS	605307
INSULAT\$4	0
INSULAT	21557
INSULATA	26
INSULATAAD	1
INSULATAB	2
INSULATABIY	1
(L34 AND (LAYER OR FILM OR INSULAT\$4 OR SANDWICH\$4)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	25

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### Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 20050134269 A1

L57: Entry 1 of 2

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050134269  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050134269 A1

TITLE: GRADIENT COIL APPARATUS AND METHOD OF ASSEMBLY THEREOF

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feenan, Peter John	Freeland		GB	
Evans, Christopher John	Haddenham		GB	
Langtry, Anthony	Oxford		GB	
Cirel, Christopher Mark	Oxford		GB	

US-CL-CURRENT: 324/318; 29/600

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Prior Art](#)

2. Document ID: US 20050040825 A1

L57: Entry 2 of 2

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050040825  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050040825 A1

TITLE: Acoustically damped gradient coil

PUBLICATION-DATE: February 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sellers, Michael Ben	Florence	SC	US	
Duby, Tomas	Florence	SC	US	
Clarke, Neil	Florence	SC	US	
Mantone, Anthony	Florence	SC	US	

US-CL-CURRENT: 324/318[Full](#) | [Title](#) | [Citation](#) | [Print](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [View](#) | [Create](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Term	Documents
VISCOELASTIC	18216
VISCOELASTICS	136
POLYESTER	508110
POLYESTERS	146637
URETHANE	172674
URETHANES	20625
FOAM	424529
FOAMS	76072
POLYMER	1805246
POLYMERS	601795
VISCOELASTI\$4	0
(L33 AND (VISCOELASTIC OR VISCOELASTI\$4) WITH ((RUBBERS\$4 OR POLYESTER OR URETHANE OR FOAM OR POLYMER))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

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### Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20050134269 A1

L63: Entry 1 of 3

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050134269

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050134269 A1

TITLE: GRADIENT COIL APPARATUS AND METHOD OF ASSEMBLY THEREOF

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feenan, Peter John	Freeland		GB	
Evans, Christopher John	Haddenham		GB	
Langtry, Anthony	Oxford		GB	
Cirel, Christopher Mark	Oxford		GB	

US-CL-CURRENT: 324/318; 29/600

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [KINIC](#) [Drawings](#)

2. Document ID: US 20050040825 A1

L63: Entry 2 of 3

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050040825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050040825 A1

TITLE: Acoustically damped gradient coil

PUBLICATION-DATE: February 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sellers, Michael Ben	Florence	SC	US	
Duby, Tomas	Florence	SC	US	
Clarke, Neil	Florence	SC	US	
Mantone, Anthony	Florence	SC	US	

US-CL-CURRENT: 324/318[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [DWO](#) | [Search](#) 3. Document ID: US 4954781 A

L63: Entry 3 of 3

File: USPT

Sep 4, 1990

US-PAT-NO: 4954781

DOCUMENT-IDENTIFIER: US 4954781 A

TITLE: Nuclear magnetic resonance imaging apparatus with reduced acoustic noise

DATE-ISSUED: September 4, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirata; Haruhiko	Yokohama			JP

US-CL-CURRENT: 324/318; 324/300, 335/219[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [DWO](#) | [Search](#)[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate OACS](#)

Term	Documents
GRADIENT	281344
GRADIENTS	69228
COIL	1239383
COILS	411011
(62 AND (GRADIENT WITH COIL)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3
(L62 AND (GRADIENT WITH COIL) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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### Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 20050134269 A1

L67: Entry 1 of 2

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050134269

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050134269 A1

TITLE: GRADIENT COIL APPARATUS AND METHOD OF ASSEMBLY THEREOF

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feenan, Peter John	Freeland		GB	
Evans, Christopher John	Haddenham		GB	
Langtry, Anthony	Oxford		GB	
Cirel, Christopher Mark	Oxford		GB	

US-CL-CURRENT: 324/318; 29/600

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawings](#)

2. Document ID: US 20050040825 A1

L67: Entry 2 of 2

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050040825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050040825 A1

TITLE: Acoustically damped gradient coil

PUBLICATION-DATE: February 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sellers, Michael Ben	Florence	SC	US	
Duby, Tomas	Florence	SC	US	
Clarke, Neil	Florence	SC	US	
Mantone, Anthony	Florence	SC	US	

US-CL-CURRENT: 324/318[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [HTML](#) | [View PDF](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Term	Documents
GRADIENT	281344
GRADIENTS	69228
COIL	1239383
COILS	411011
ASSEMBLY	2407236
ASSEMBLIES	466481
ASSEMBLYS	237
(66 AND (GRADIENT WITH COIL WITH ASSEMBLY)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2
(L66 AND (GRADIENT WITH COIL WITH ASSEMBLY) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

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### Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20050134269 A1

L68: Entry 1 of 3

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050134269

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050134269 A1

TITLE: GRADIENT COIL APPARATUS AND METHOD OF ASSEMBLY THEREOF

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Feenan, Peter John	Freeland		GB	
Evans, Christopher John	Haddenham		GB	
Langtry, Anthony	Oxford		GB	
Cirel, Christopher Mark	Oxford		GB	

US-CL-CURRENT: 324/318; 29/600

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Diane D.](#)

2. Document ID: US 20050040825 A1

L68: Entry 2 of 3

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050040825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050040825 A1

TITLE: Acoustically damped gradient coil

PUBLICATION-DATE: February 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sellers, Michael Ben	Florence	SC	US	
Duby, Tomas	Florence	SC	US	
Clarke, Neil	Florence	SC	US	
Mantone, Anthony	Florence	SC	US	

US-CL-CURRENT: 324/318 3. Document ID: US 4954781 A

L68: Entry 3 of 3

File: USPT

Sep 4, 1990

US-PAT-NO: 4954781

DOCUMENT-IDENTIFIER: US 4954781 A

TITLE: Nuclear magnetic resonance imaging apparatus with reduced acoustic noise

DATE-ISSUED: September 4, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirata; Haruhiko	Yokohama			JP

US-CL-CURRENT: 324/318; 324/300, 335/219

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Term	Documents
(60 AND 27).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3
(L60 AND L27 ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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